

CLAIMS

1. An intraosteal dental implant (1) including a bore (14) in the form a
5 blind hole, the bore (14) being shaped and devised such as to rotationally secure
an abutment (6) receivable in the dental implant (1),
wherein the bore (14) is provided with a substantially cylindrical sleeve
(15) extending substantially coaxially to the dental implant (1), wherein the dental
implant (1) includes an inner neck surface (18), and wherein an intersection curve
10 (20) between the inner neck surface (18) of the dental implant (1) and the sleeve
(15) does not lay in a plane perpendicular to the axis (7) of the dental implant (1).
2. An intraosteal dental implant (1) including a bore (14) in the form a
blind hole, the bore (14) being shaped and devised such as to rotationally secure
15 an abutment (6) receivable in the dental implant (1),
wherein the bore (14) is provided with a substantially cylindrical sleeve
(15) extending coaxially to the dental implant (1), and wherein the dental implant
(1) includes an inner neck surface (18), the inner neck surface (18) of the dental
implant (1) having a substantially conical shape with an imaginary tip (19) offset
20 from the axis (7) of the dental implant (1).
3. The intraosteal dental implant (1) of claims 1 or 2 in combination with
an abutment (6), the abutment (6) having a downwardly extending protrusion (21)
with a lower surface (22) exactly matching the inner neck surface (18) of the
25 dental implant (1).
4. The combination of claim 3, wherein in the assembled state of the abut-
ment (6), the downwardly extending protrusion (21) surrounds the sleeve (15) and
the lower surface (22) rests on the inner neck surface (18).

5. The combination of claim 4, further including a screw (9) which fits into the sleeve (15) with no or very little play.

6. An intraosteal dental implant (1) of claims 1 or 2 further having a bone tissue apposition surface (2) extending from a tip (1') of the dental implant (1) up to an interface (4) at a neck portion of the dental implant (1), and a soft tissue apposition surface (3) extending from the interface (4) to a shoulder (5) of the dental implant (1), wherein the shoulder (5) is inclined with respect to the axis (7) of the dental implant (1).

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7. The intraosteal dental implant (1) of claim 6, wherein the shoulder (5) is substantially contained in a plane.

8. The intraosteal dental implant (1) of claims 6 or 7, wherein the shoulder (5) has an inclination in the range from about 60° to about 80°.

9. The intraosteal dental implant (1) of claims 6 or 7, wherein the shoulder (5) has an inclination in the range from about 65° to about 75°.

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10. The intraosteal dental implant (1) of claims 6 or 7, wherein the shoulder (5) has an inclination of about 70°.

11. The intraosteal dental implant (1) of one or more of claims 6-10, wherein the neck portion of the dental implant (1) has a palatal or lingual side (8b) and a labial side (8c), and wherein the palatal or lingual side (8b) has a larger extension than the labial side (8c).

12. The intraosteal dental implant (1) of one or more of claims 6-11, wherein the interface (4) is substantially parallel to the shoulder (5).

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13. The intraosteal dental implant (1) of one or more of claims 6-11, wherein the interface (4) has a curved profile which is increasing from the labial side towards the interdental side and decreasing towards the palatal/lingual side.
- 5 14. The intraosteal dental implant (1) of one or more of claims 6-11, wherein the interface (4) is substantially perpendicular to the axis (7).
- 10 15. The intraosteal dental implant (1) of one or more of claims 6-11, wherein the interface (4) has a curved profile which is increasing from the labial side towards the interdental side and a horizontal profile, substantially perpendicular to the axis (7) from the interdental side towards the palatal/lingual side.
- 15 16. The intraosteal dental implant (1) of one or more of the preceding claims, wherein the cylindrical sleeve (15) is provided with one or more slits (23) such as to allow compression of the cylindrical sleeve (15).